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Common Ocular Disease Reference

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Pacific University

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Common Ocular Disease Reference

Description

A Useful Reference for Clinicians and Interns on common ophthalmic manifestations and managements. Can be printed '8.5x11' using 'fit to scale'

Keywords

Ocular disease, Eye disease, Ophthalmic disease, ICD-9

Disciplines

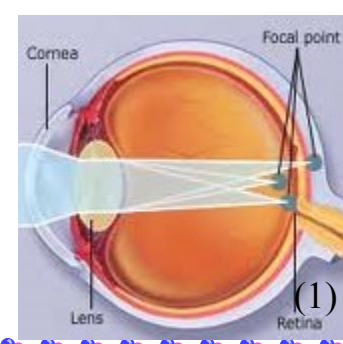
Optometry

Common Ocular Disease Reference

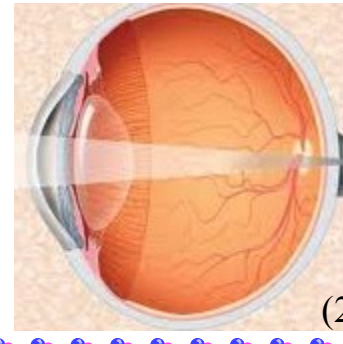
Len V Hua
Pacific University of Oregon



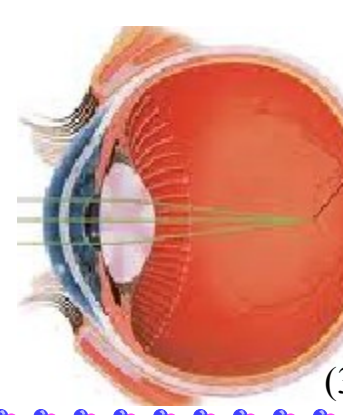
Astigmatism (367.2)
Glasses
Contact lens
Laser



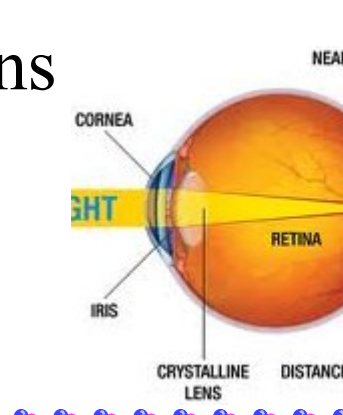
Hyperopia (367.0)
Glasses
Contact Lens
Laser



Myopia (367.1)
Glasses
Contact Lens
Laser



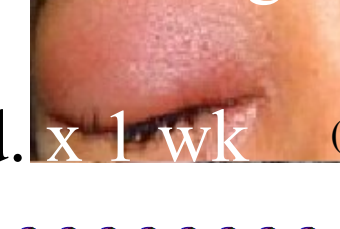
Presbyopia (367.4)
Glasses
Contact Lens
IOL



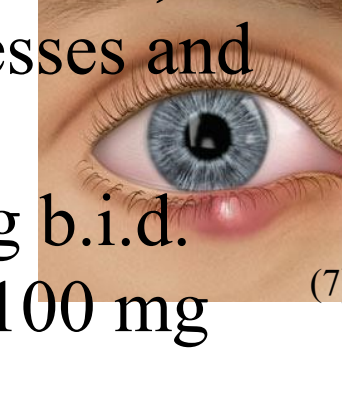
Blepharitis (373.00)
Warm compresses 2-4x
Artificial tears 4-8x
Erythromycin ung qhs.
Restasis b.i.d
Doxycycline 100 mg qd
RTC: 3-4wks



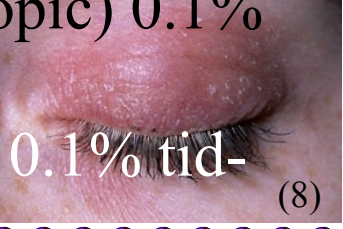
Cellulitis Preseptal Mild
>5yo (373.13)
Augmentin 500 mg q8h
Ceflor/Keflex 500 mg q8h
Bactrim b.i.d. x 1 wk



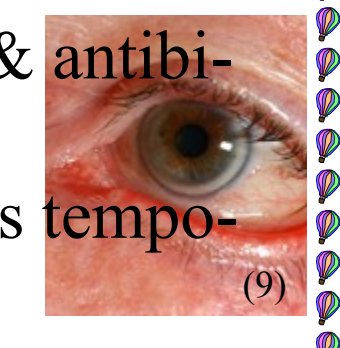
Chalazion (373.20)
Warm compresses and massage 4X.
Bacitracin ung b.i.d.
Doxycycline 100 mg b.i.d.



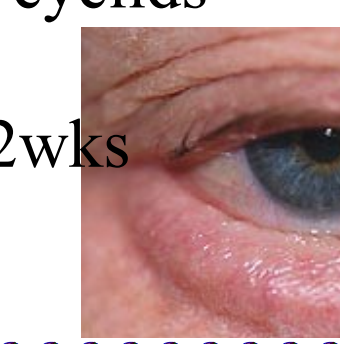
Dermatitis (373.32)
Avoid the offending agent(s)
Cool compresses 4-6x
Topical antihistamines
Tacrolimus (Protopic) 0.1% bid
Fluorometholone 0.1% tid



Ectropion (374.11)
Lubricating agents
Warm compress & antibiotic ung
Taping the eyelids temporarily



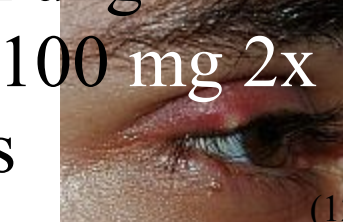
Entropion (374.01)
Bacitracin t.i.d. for SPK.
Tape the eyelids
Surgery
RTC: 1-2wks



Epiphora (375.22)
Irrigation (Adult) & Digital pressure to lacrimal sac q.i.d. (Child)
Polytrim qid or oral antibiotic
Dacryoplasty
Dacryocystorhinotomy



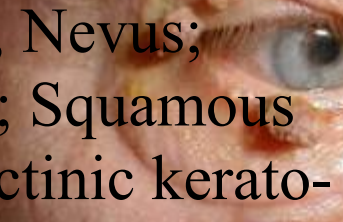
Hordeolum (373.11)
Warm compress & massage 4x
Erythromycin ung 4x
Doxycycline 100 mg 2x
RTC: 3-4 wks



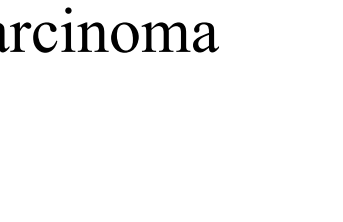
Meibomitis (373.12)
Warm compresses 2-4x
Artificial tears 4-8x
Azasite bid; TobradexST bid
Restasis bid



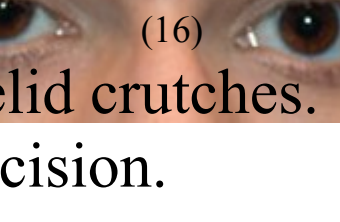
Neoplasm benign (216.10)
Seborrheic keratosis; Kerato-
acanthoma; Cysts; Molluscum
contagiosum; Nevus;
Xanthelasma; Squamous
papilloma; Actinic kerato-



Neoplasm malignant (173.10)
Basal cell carcinoma
Sebaceous gland carcinoma
Squamous cell carcinoma
Melanoma



Ptosis (374.30)
Horner Syndrome?
Isolated Third Nerve Palsy?
Myasthenia Gravis (ice test)?
Observation
Taping and eyelid crutches.
Neoplasms- excision.



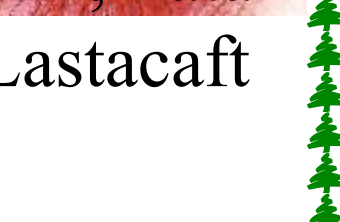
Trichiasis (374.05)
Epilation in office or home
Electrolysis, cryotherapy, or eyelid surgery.
Erythromycin tid



Xanthelasma (374.51)
<40 yo lipid profile?
Diabetes?
Surgical excision (cosmesis)



Conjunctivitis, allergic (372.05)
Avoid allergens
Cool compress, AT; Pata-
day, Ketotifen, Lastacaft
Mild steroid



Conjunctivitis, bacterial (372.03)
Polytrim/Zymaxid qid 1w
Augmentin tid 1wk
RTC 2-3d



Conjunctivitis, EKC (77.10)
Contagious 10-12 d. Hand wash, AT, cool compress.
Betaine in-office
Peel membrane
Steroid/Antihistamine



Conjunctivitis GPC (995.3)
d/c CL
Lastacaft/Pataday
Lotemax qid (severe)
RTC 2-4 weeks



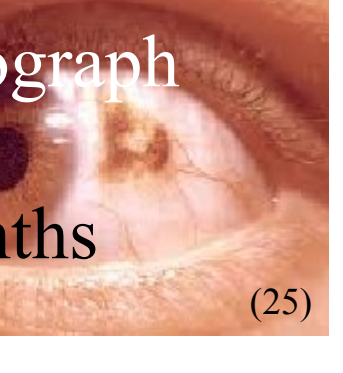
Conjunctivitis, viral, unspecified (77.99)
Contagious 10-12 d. Hand wash, AT, cool compress.
Elestat bid (itching)
RTC: 2-3wks



Hemorrhage, subConj (372.72)
Artificial tear qid
d/c elective use of NSAIDs
RTC: 2-3 wks



Neoplasm, benign Conj (224.30)
Baseline photograph
Self monitor
RTC 6-12 months



Pinguecula (372.51)
Avoid sun, dust, and wind
Artificial tears 4-8x
FML qid (inflammation)
Acular tid
RTC 1 yr/prn



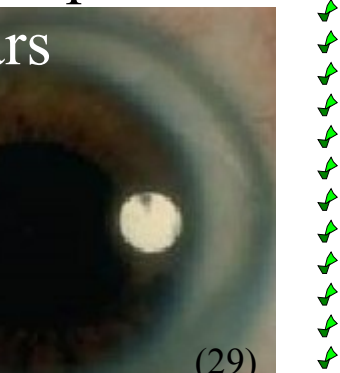
Pterygium (372.40)
Avoid sun, dust, and wind
Artificial tears 4-8x
FML qid (inflammation)
Acular tid
RTC 1 year or prn



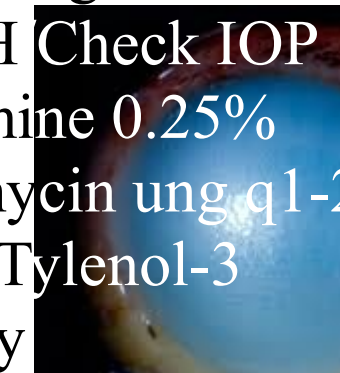
Abrasion, K (918.1)
Tobramycin, Vigamox qid
Cyclopentolate 1% (iritis)
Acular qid (pain)
Vicodin (severe pain)
Patch?
RTC: daily



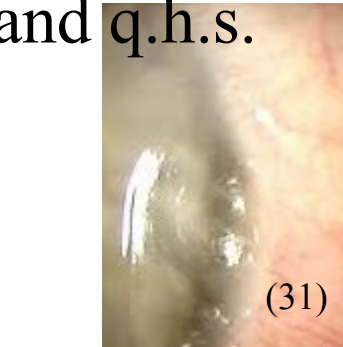
Arcus (371.41)
Check a fasting lipid profile in patients <40 years



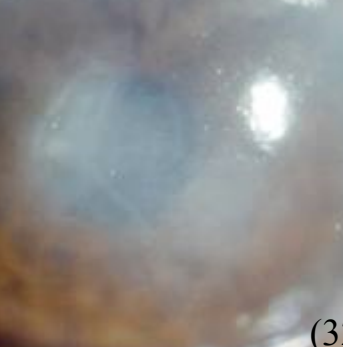
Burn, Alkaline (940.20)
Copious irrigation 5-10min
Check pH/Check IOP
Scopolamine 0.25%
Erythromycin ung q1-2h
Vicodin, Tylenol-3
RTC daily



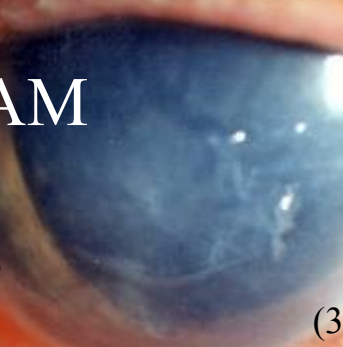
Dellen (371.41)
Lubricating or antibiotic ointment q.i.d. and q.h.s.
RTC: 1 wk



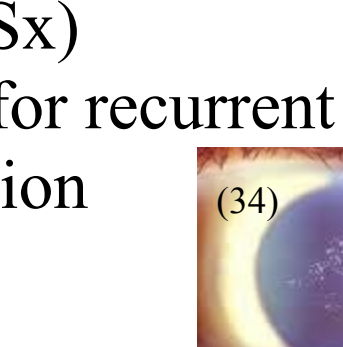
Edema, K (371.21)
Muro 128 qid
Check IOP
RTC: 2-4 wks



Endothelial, dystrophy (371.57)
Muro 128 qid
Hair dryer qAM
Check IOP
RTC: 3-12 mo



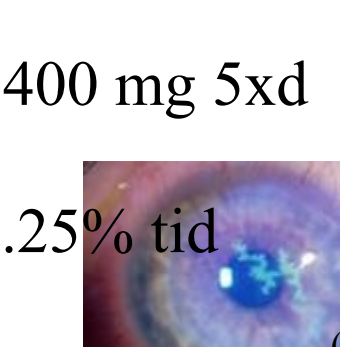
**Epithelial BM Dystro-
phy (371.52)**
AT 4-8x d (Sx)
Risk factor for recurrent
corneal erosion
RTC prn



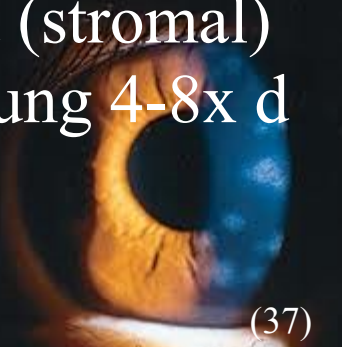
Foreign Body (930.00)
Take photo;Proparacaine
Remove FB and rust ring
Antibiotic
Cycloplegic?
CL Patch?
RTC 1 day



Herpes Simplex (54.42)
Viroptic 9xd (7-10d)/ Zigan
5xd
Oral acyclovir 400 mg 5xd
(child)
Scopolamine 0.25% tid
RTC 2-7d



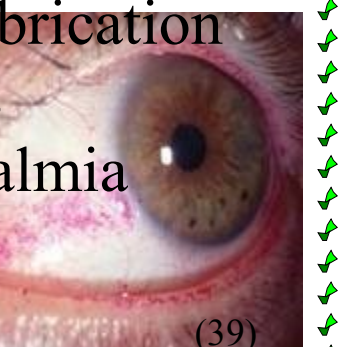
Herpes Zoster (53.21)
AT q1-2h and ung qhs
Pred Forte qid (stromal)
Erythromycin ung 4-8x d
RTC: 1-7d



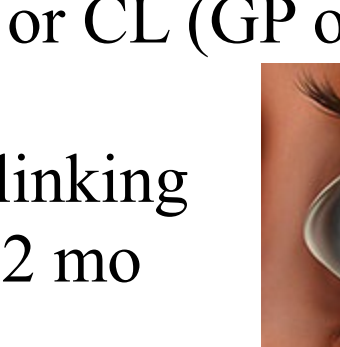
Infiltrate (371.20)
Discontinue contact lens wear
Vigamox 4x-8x d
Cycloplegic
RTC: 1-3 days



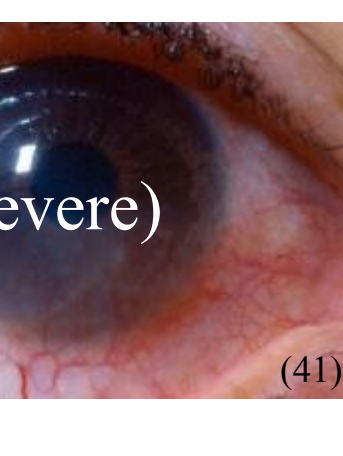
Keratoconjunctivitis sicca (370.33)
Intensive ocular lubrication with artificial tears
Vit A for xerophthalmia



Keratoconus (371.60)
no eye rubbing
Glasses or CL (GP or hybrid)
Intac/X-linking
RTC 3-12 mo



Neovascularization, K (370.60)
d/c CL
Lotemax qid (severe)



Opacity, Corneal (371.00)
Anterior lamellar kerato-
plasty



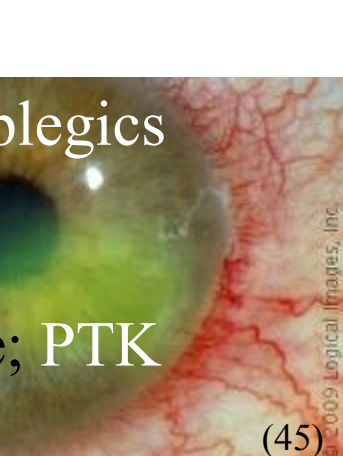
Peripheral degeneration (371.02)
AT
Restasis
Pred Forte



Punctate Keratitis (370.21)
AT; Erythromycin ung tid
Steroid for Thygeson
RTC: 1 wk



**Recurrent Corneal Ero-
sion (371.02)**
Vigamox; Cycloplegics
Acular; Vicodin
Patch?
Stromal puncture; PTK
RTC: 1-7days



Ulcer, Central (370.03)
Culture
Fluoroquinolone (q1/2h)
Cycloplegic
Corneal specialist



Ulcer, Peripheral (370.01)
Tobradex, Zylet qid
Cycloplegic
RTC:3-7d



Anterior Uveitis(364.01)
Pred Forte q1-6h
Cycloplegics 2-4x
RTC:1-3d



**Anterior Uveitis, Sec-
ondary (364.04)**
Pred Forte q1-6h
Cycloplegics 2-4x
Lab work/up
RTC: 1-3d



Hyphema (364.41)
Atropine/Scopolamine 1-3x
Limited activity
Head elevation
Avoid NSAIDs
RTC:2-3d



Hypopyon (370.04)
Pred Forte q1-6h
p/o endophthalmitis?



Synechia, anterior (364.73)
Laser Iridotomy
Synechialysis



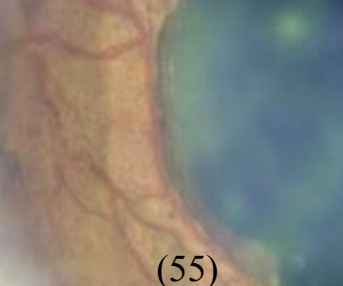
Synechia, posterior (364.71)
Pred Forte q1-6h
Cyclo & Mydriatics
Hypotensives



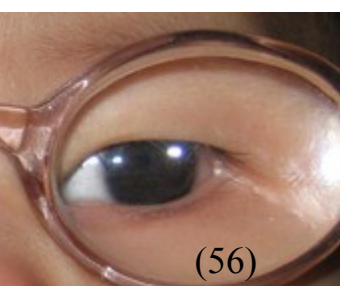
Recession, Angle (364.77)
Hypotensive Agents
AC paracentesis



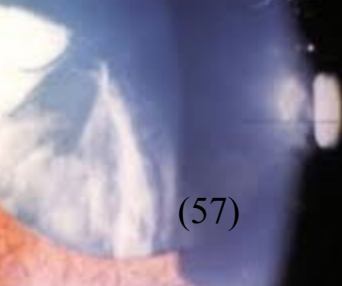
Rubeosis, Iridis (364.42)
DM, CRA/VO, tumor,
chronic uveitis,
vasculitis
Hypotensives?



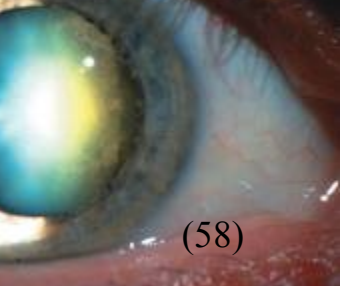
Aphakia (379.31)
Glasses or IOL



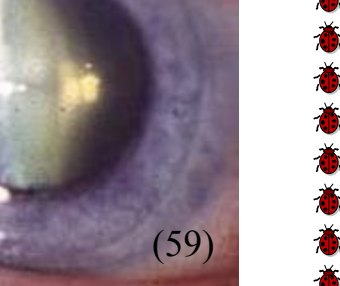
Cortical, cataract (366.15)
IOL



Mixed, cataract (366.19)
Cataract surgery/IOL



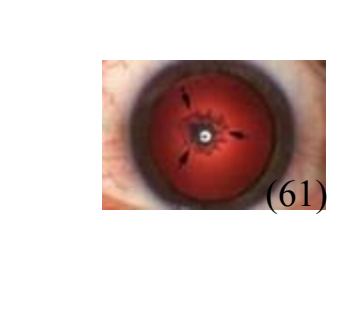
Nuclear sclerosis (366.16)
IOL



**Posterior capsular opac-
ity (366.53)**
YAG



Posterior subcapsular (366.14)
IOL



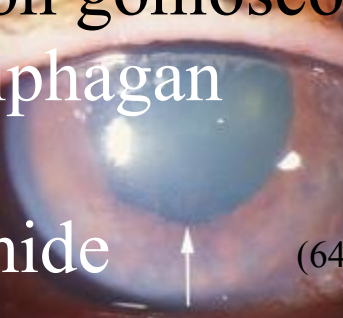
Pseudoexfoliation (366.11)
IOP?
Hypotensives
SLT/ALT



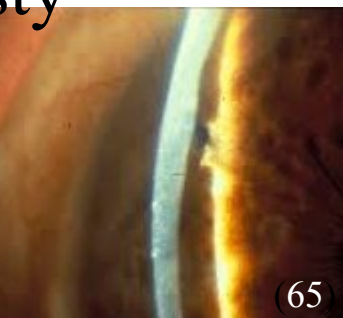
Pseudophakia (v43.1)
CME? NSAIDs
PCO? YAG



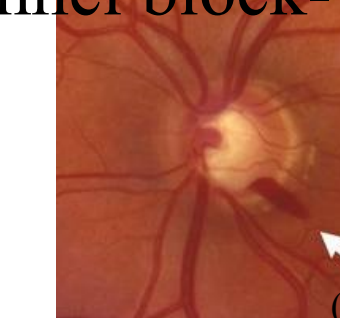
Acute angle-closure (365.22)
Compression gonioscopy
Iopidine, Alphagan
Timolol
Acetazolamide



Narrow angle (365.02)
IOP?
Laser iridoplasty
SLT/ALT



Normal Tension (365.12)
Hypotensives
Calcium channel block-
ers?



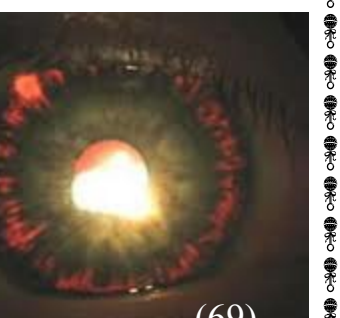
Ocular hypertension (365.04)
IOP check
Glaucoma w/u
RTC 6-12mo



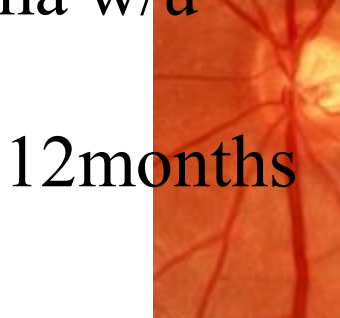
Open angle glaucoma (365.10)
Prostaglandins
Brimonidine
Timolol/CAI
RTC: 3-12 months



Pigmentary glaucoma (365.13)
Miotic
Iridotomy
Hypotensives
SLT/ALT



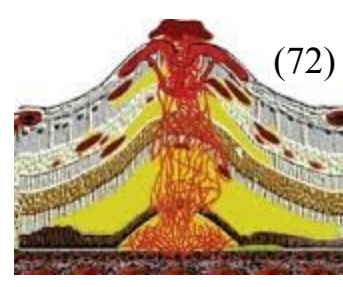
Suspect, Glaucoma (365.00)
Glaucoma w/u
IOP
RTC: 6-12months



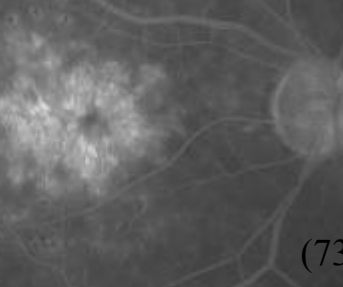
**Central serous retinopa-
thy (362.41)**
Photo
Topical NSAIDs x 3 mo
RTC 6-8wks



**Choroidal Neovasculari-
zation (362.16)**
Avastin/Lucentis



Cystoid macular edema (362.53)
Topical NSAIDs x 3 mo
Steroid?
RTC 6-8wks



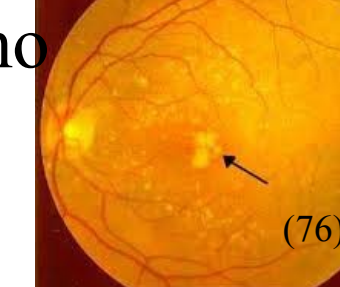
Diabetic retinopathy, background (362.01)
Blood sugar control
CSME?
Self monitor
RTC: 1 yr



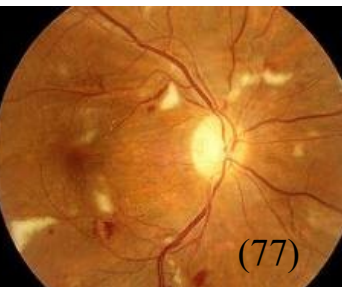
Diabetic retinopathy, proliferative (362.02)
CSME?
Laser
Anti-VEGF
RTC:1-3mo



Drusen (362.57)
Quit smoking
AREDS formulation
RTC: 6-12 mo



**Hypertensive retinopa-
thy (362.11)**
Internist
RTC:2-3 mo



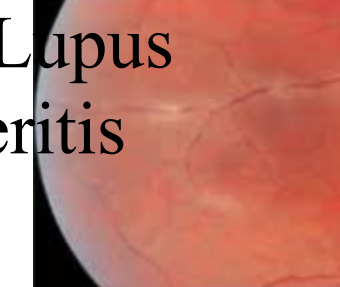
Lattice degeneration (362.63)
Sn/Sx of RD
Prophylactic Treatment?
RTC: 1 yr



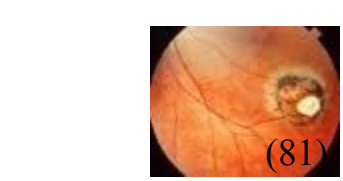
Retinal detachment/tear (361.00)
Laser therapy/
Cryotherapy
Pneumatic retinopexy
Scleral buckle



Retinal vasculitis (362.18)
Sarcoidosis; Behcet
Crohn; Lupus
Polyarteritis
ARN



Scar, Peripheral (363.34)
Photo
Monitor yearly



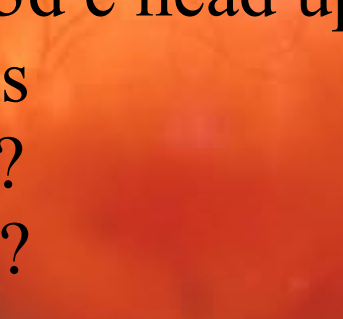
Vitreous degeneration (379.21)
Retinal break/RD?
Sn/Sx of RD
RTC: 1-12mos



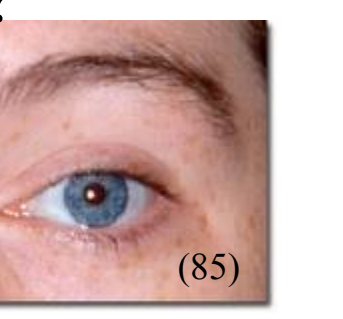
Vitreous floaters/ opacities (379.24)
Retinal break/RD?
Sn/Sx of RD
RTC: 12mos/prn



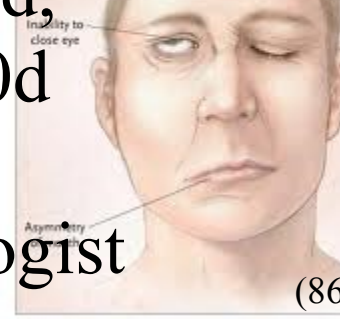
Vitreous hemorrhage (379.23)
Bed rest 2-3d c head up
d/c NSAIDs
B-scan RD?
Vitrectomy?



Anisocoria (379.41)
Physiological; Horner,
Aide; Trauma?



Bell's Palsy (351.00)
Facial massage; AT
Pred 60mg 4d,
taper over 10d
Neurologist
Otolaryngologist



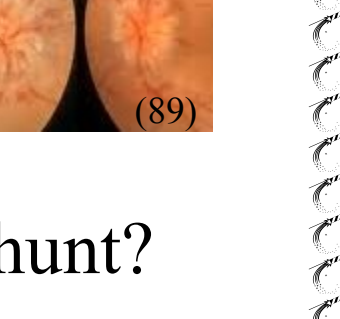
**Ischemic optic neuropa-
thy (377.41) NAION**
Internist
Observation
RTC: 4 wks



Optic Neuritis (377.30)
Methylprednisolone
Prednisolone
MRI
RTC: 4-6wks



Papilledema (377.00)
MRI?/ Lumbar puncture?
Treat cause.
Loss weight
Acetazolamide
Neurosurgical shunt?



Headache (784)
Emergency?
Binocular anomalies?
Migraine?
Cluster?



Citations for images from Google Images search: (Accessible on May 12, 2011)

1. <http://www.webmd.com/eye-health/understanding-astigmatism-basics>
2. http://www.riversideonline.com/health_reference/Eye/DS00527.cfm
3. <http://www.centralvermonteyecare.com/eye-health/vision-facts>
4. <http://www.goldberg4lasik.com/refractive-cataract-iol-surgery/>
5. <http://opticianworld.com/index.php/2010/06/22/>
6. http://www.scielo.br/scielo.php?pid=S0021-75572005000100016&script=sci_arttext&tlng=en
7. <http://seeclearly.com/Chalazion.aspx>
8. http://www.eyecareindia.com/eyelid-dermatitis/eczema_395/
9. <https://online.epocrates.com/u/2941496/Evaluation+of+red+eye>
10. http://www.vindicomeded.com/cmcl/pcon_ce1008.asp
11. <http://webeye.ophth.uiowa.edu/eyeforum/cases/31-dacryostenosis.htm>
12. http://www.trueknowledge.com/q/facts_about_stye
13. <http://www.alsalama.org/inner.aspx?PageName=Eye%20Care>
14. <http://www.kokkinakis.com.au/newsletter/0605.htm>
15. <http://www.caleyes.com/condition-eyelid-oncology-bay-area-ca.html>
16. <http://www.amaeyes.com/ptosis.html>
17. <http://www.hawaiianeye.com/othereye/eyelid.php>
18. <http://tobewell.areavoices.com/2011/02/03/the-eyes-have-it/>
19. http://www.contactlenses.co.uk/education/public/seasonal_allergic_conjunctivitis.htm
20. http://taggedwiki.zubiaga.org/new_content/1b9551b81682aeb84b9ce63b02765d02
21. <http://www.health-reply.com/category/0/1/987/>
22. <http://www.andrewgasson.co.uk/gallery.htm>
23. <http://eyedoctor.homestead.com/Conjunctivitis.html>
24. <http://mirkinvision.com/subheme.aspx>
25. <http://eyepathologist.com/disease.asp?IDNUM=325540>
26. <http://myod.ca/?p=26>
27. <http://www.oahulasik.com/OL-Pterygium.htm>
28. <http://www.perret-optic.ch/optometrie/>
29. http://appletonemart.com/disease_photos/corneal_arcus.html
30. <http://archive.icoph.org/med/cornea/cornea14.html>
31. <http://www.rootatlas.com/wordpress/video/247/dellen-formation-from-chemosis-photo/>
32. <http://www.vision-and-eye-health.com/cataractsurgery-complications-early.html>
33. <http://www.lookfordiagnosis.com/images.php?term=Fuchs%27+Endothelial+Dystrophy&lang=1>
34. <http://www.mrcophth.com/corneacommoncases/othercornealdystrophies.html>
35. <http://advancedfamilyeyecarendenvernc.blogspot.com/2010/05/corneal-abuse.html>
36. <http://www.cornealdocs.com/html/other-services.html>
37. <http://www.aafp.org/afp/2002/1101/p1723.html>
38. <http://www.myneweyes.com/35601.html>
39. <http://odlarmed.com/?p=3709>
40. <http://www.craigbergermd.com/Intacs.htm>
41. <http://www.optstudent.com/nucleus/index.php?itemid=55>
42. <http://www.mchenrylasik.com/IEKforProfessionals.aspx>
43. <http://www.images.missionforvisionusa.org/anatomy/>
44. <http://emedicine.medscape.com/article/1197335-overview>
45. <http://www.skinsight.com/adult/recurrentCornealErosion.htm>
46. <http://www.flickr.com/photos/12212056@N04/page2/>
47. <http://justinbazan.wordpress.com/2007/08/02/contact-lens-induced-peripheral-ulcer-clpu/>

48. http://www.afv.org.hk/uveitis_e.htm
49. <http://www.esrezaeian.com/apps/photos/photo?photoid=7004937>
50. <http://odlarmed.com/?p=3547>
51. http://amritsareyeclinic.com/eye_disorders.htm
52. <http://dro.hs.columbia.edu/pas.htm>
53. <http://www.sarawakeyecare.com/Atlasofophthalmology/anteriorsegment/>
54. <http://emedicine.medscape.com/article/1204999-clinical>
55. http://www.allposters.com/-sp/Rubeosis-Iridis-Blood-Vessels-on-Iris-Posters_i4258975_.htm
56. <http://www.sarawakeyecare.com/Atlasofophthalmology/paediatric>
57. <http://medbaiya.blogspot.com/2010/06/cataract.html>
58. <http://blass.com.au/definitions/cortical%20cataract>
59. <http://www.opt.indiana.edu/NewHorizons/NS.html>
60. <http://www.search.com/reference/Cataract>
61. <http://www.phillipseyecenter.com/cataract.shtml>
62. <http://www.aao.org/publications/eyenet/200703/cataract.cfm>
63. <http://www.retinamaculainstitute.com/ocular-education/dislocated-iol>
64. <http://www.medrounds.org/glaucoma-guide/2006/12/section-9-c-diagnosis-of-acute-angle.html>
65. http://www.glaucomaconsultantsmd.com/maryland_eye_care.html
66. <http://www.medrounds.org/glaucoma-guide/2006/04/section-3-c-optic-nerve-damage.html>
67. <http://www.lookfordiagnosis.com/images.php?term=Glaucoma%2C+Open-Angle&lang=1&from=24>
68. <http://blurryeyesight.net/glaucoma-symptoms/>
69. <http://www.eyestucson.com/library/pdsg.php>
70. http://cms.revoptom.com/archive/OGS/ogs_0208.htm
71. http://www.tedmontgomery.com/the_eye/eyephotos/CentralSerosusChorioretinopathy.html
72. http://www.revophth.com/content/d/retinal_insider/i/1341/c/25684/
73. http://www.ispub.com/journal/the_internet_journal_of_opthalmology_and_visual_science/
74. <http://www.allaboutvision.com/conditions/diabetic.htm>
75. <http://www.myvisiontest.com/newsarchive.php?id=993>
76. <http://www.mdsupport.org/retinalphotos.html>
77. http://www.tedmontgomery.com/the_eye/eyephotos/HypertensiveRetinopathy-2.html
78. <http://www.usaeyes.org/lasik/faq/lasik-lattice-degeneration.htm>
79. http://www.tedmontgomery.com/the_eye/eyephotos/RetinalDetachment.html
80. <http://cms.revoptom.com/print.asp?page=osc/105444/lesson.htm>
81. http://www.revophth.com/content/d/retinal_insider/c/26716/
82. <http://cms.revoptom.com/handbook/sect5a.htm>
83. <http://www.asktheeyedoctors.com/Floaters.html>
84. <http://webeye.ophth.uiowa.edu/dept/coms/grading/Vitreous-hemorrhage.htm>
85. <http://www.nanosweb.org/i4a/pages/index.cfm?pageID=3295>
86. <http://nursingcomments.com/symptoms-and-recovery-of-bells-palsy/>
87. <http://webeye.ophth.uiowa.edu/eyeforum/atlas/pages/NAION>
88. <http://clarefraser.com/2006/08/05/optic-neuritis/>
89. <http://www.neuroophthalmology.ca/cases/case1/case1.html>
90. <http://maddenptblog.com/what-is-causing-your-headache>